

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|------------------------|------------------|---------|------------------|
| S1    | 1     | ("20050190810").PN.  | US-PGPUB; USPAT        | OR               | OFF     | 2006/02/10 07:50 |
| S2    | 34    | ((Butterworth near2 Stuart) or (Reed near2 Murray) or (Fischer near2 Dennis)).in.  | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 08:19 |
| S4    | 564   | S3 and (gain or active)  | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 08:59 |
| S7    | 7     | ((("5,461,637") or ("6,285,702") or ("6,594,294") or ("20030039284") or ("3,556,640") or ("3,578,848") or ("5,846,638")).PN.   | US-PGPUB; USPAT        | OR               | OFF     | 2006/02/10 09:37 |
| S6    | 51    | ((heat near3 sink) or (Thermal\$3 near3 conduct\$4)) and ((plural\$4 or muli\$4) near2 (mirror\$1 or reflect\$3)) and (OPS or (optical\$3 near2 pump\$3 near2 semiconductor))                  | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 09:38 |
| S9    | 142   | S3 and (gain or active) and "372"/\$.ccls.   | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 09:46 |
| S5    | 142   | S3 and (gain or active) and "372"/\$.ccls.   | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 09:46 |
| S8    | 2     | ((heat near3 sink) or (Thermal\$3 near3 conduct\$4)) and ((plural\$4 or muli\$4) near2 (mirror\$1 or reflect\$3)) and (OPS or (optical\$3 near2 pump\$3 near2 semiconductor)) and diamond      | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 09:48 |
| S14   | 0     | S11 ADN S13  | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 13:33 |
| S12   | 146   | ((heat near3 sink) or (Thermal\$3 near3 conduct\$4)) and ((active or gain) and (mirror\$1 or reflect\$3)) and (diamond NEAR2 HEAT)   | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 13:33 |
| S11   | 24    | ((heat near3 sink) or (Thermal\$3 near3 conduct\$4)) and ((active or gain) and (mirror\$1 or reflect\$3)) and (OPS or (optical\$3 near2 pump\$3 near2 semiconductor)) and (diamond NEAR2 HEAT) | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 13:33 |
| S10   | 75    | ((heat near3 sink) or (Thermal\$3 near3 conduct\$4)) and ((active or gain) and (mirror\$1 or reflect\$3)) and (OPS or (optical\$3 near2 pump\$3 near2 semiconductor)) and diamond              | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 13:33 |
| S13   | 21    | ((heat near3 sink) or (Thermal\$3 near3 conduct\$4)) and ((active or gain) and (mirror\$1 or reflect\$3)) and (diamond NEAR2 HEAT NEAR3 SPREAD\$3)   | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 13:49 |
| S15   | 21    | ((heat near3 sink) or (Thermal\$3 near3 conduct\$4)) and ((active or gain) and (mirror\$1 or reflect\$3)) and (diamond NEAR2 HEAT NEAR3 SPREAD\$3) AND (LASER OR SEMICONDUCTOR)                | US-PGPUB; USPAT        | AND              | ON      | 2006/02/10 13:50 |
| L2    | 55521 | (OPS or (optical\$3 near2 pump\$3 near2 semiconductor))  | US-PGPUB; USPAT        | AND              | ON      | 2006/02/13 08:54 |
| L3    | 3     | 2 and (heat near2 sink) and (diamond near2 heat near2 spreader)  | US-PGPUB; USPAT        | AND              | ON      | 2006/02/13 08:55 |
| L4    | 6     | ((("5,909,459") or ("6,263,002") or ("6,151,342") or ("6,229,831") or ("6,285,702") or ("6,494,371")).PN.  | US-PGPUB; USPAT        | OR               | OFF     | 2006/02/13 08:58 |
| L1    | 16    | (mirror\$1 or reflect\$4) and (gain or active) and (heat near2 sink) and (diamond near2 heat near2 spreader)   | US-PGPUB; USPAT        | AND              | ON      | 2006/02/13 08:58 |
| L5    | 16    | (mirror\$1 or reflect\$4) and (gain or active) and (heat near2 sink) and (diamond near2 heat near2 spreader) and laser   | US-PGPUB; USPAT        | AND              | ON      | 2006/02/13 11:37 |
| L8    | 55    | (mirror\$1 or reflect\$4) and (gain or active) and (heat near2 sink) and ((diamond or sapphire) near3 heat near2 (spreader or conduct\$5)) and laser   | US-PGPUB; USPAT        | AND              | ON      | 2006/02/13 11:39 |
| L9    | 0     | (mirror\$1 or reflect\$4) and (gain or active) and (heat near2 sink) and ((diamond or sapphire) near3 heat near2 (spreader or conduct\$5) near2 second) and laser                              | US-PGPUB; USPAT        | AND              | ON      | 2006/02/13 11:41 |
| L10   | 1     | (mirror\$1 or reflect\$4) and (gain or active) and (heat near2 sink) and ((diamond or sapphire) near3 ((heat near2 (spreader or conduct\$5)) or CVD) near2 second) and laser                   | US-PGPUB; USPAT        | AND              | ON      | 2006/02/13 11:42 |
| L12   | 11    | ("5461637"   "5469454"   "5548433"   "5652763"   "5987049"   "6243407"   "6252892"   "6327293"   "6393035").PN. OR ("6735234").URPN.   | US-PGPUB; USPAT; USOCR | AND              | ON      | 2006/02/13 11:53 |

## EAST Search History

|     |     |   |                              |     |    |                  |
|-----|-----|---|------------------------------|-----|----|------------------|
| S3  | 732 | ((heat near3 sink) or (Thermal\$3 near3 conduct\$4)) and (mirror\$1 or reflect\$3) and (OPS or (optical\$3 near2 pump\$3 near2 semiconductor))                  | US-PGPUB;<br>USPAT           | AND | ON | 2006/02/13 12:07 |
| L13 | 20  | 11 and (OPS or (optical\$3 near2 pump\$3 near2 semiconductor))  | US-PGPUB;<br>USPAT           | AND | ON | 2006/02/13 12:07 |
| L14 | 24  | ("4847851"   "5142542"   "5363390"   "5390210"   "5408110"   "5574738"   "5627853"   "5918108"   "5991318"   "6097742"   "6167068").PN. OR ("6393038").URPN.    | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/02/13 12:21 |
| L15 | 93  | (mirror\$1 or reflect\$4) and (gain or active) and (heat near2 sink) and ((diamond or sapphire) near3 CVD) and laser  | US-PGPUB;<br>USPAT           | AND | ON | 2006/02/13 12:33 |
| L11 | 144 | (mirror\$1 or reflect\$4) and (gain or active) and (heat near2 sink) and ((diamond or sapphire) near3 ((heat near2 (spreader or conduct\$5)) or CVD)) and laser | US-PGPUB;<br>USPAT           | AND | ON | 2006/02/13 12:33 |